Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/06/2016 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124056	-1	1.12	123926	1.04
Blue	F	SSC	125000	123461	-2	2.72	124334	2.42
Blue	E	FITC	17224	16655	-4	2.29	943	8.43
Blue	D	PE	22462	21758	-4	1.94	982	7.70
Blue	B	PerCP-Cy5-5	63940	62274	-3	2.63	1647	12.29
Blue	A	PE-Cy7	72480	71004	-3	3.65	934	23.49
Red	C	APC	63778	62385	-3	2.50	3518	7.83
Red	A	APC-Cy7	97254	96437	-1	2.53	1919	7.53
Violet	B	V450	10730	10356	-4	3.13	640	7.41
Violet	A	V500	42147	40656	-4	2.66	2296	5.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20120	1.62	582	-38	N/A	N/A	Pass
Blue	F	SSC	61869	1.64	506	-21	N/A	N/A	Pass
Blue	E	FITC	102	35.21	513	-26	0.0286	217	Pass
Blue	D	PE	204	24.09	507	-25	0.1956	172	Pass
Blue	B	PerCP-Cy5-5	202	37.30	590	-24	0.0128	17	Pass
Blue	A	PE-Cy7	72	88.44	646	-27	0.0166	3	Pass
Red	C	APC	331	24.79	575	-9	0.0228	0	Pass
Red	A	APC-Cy7	122	35.69	558	-7	0.0053	701	Pass
Violet	B	V450	69	38.83	446	-28	0.0567	1882	Pass
Violet	A	V500	151	19.34	475	-28	0.0165	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.12	-30.85	0.82
Blue	20.48	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.28
Red	15.35	13.09 - 19.63	N/A	N/A	31.46	31.76	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9789

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments